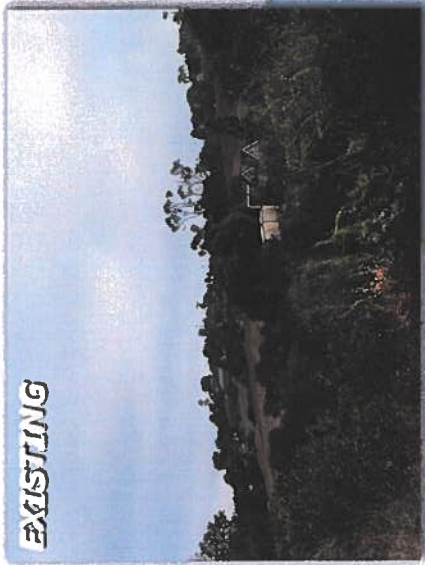


Attachment E – Photo-Simulations, Geographic Service Area Map and Alternative Site Analysis

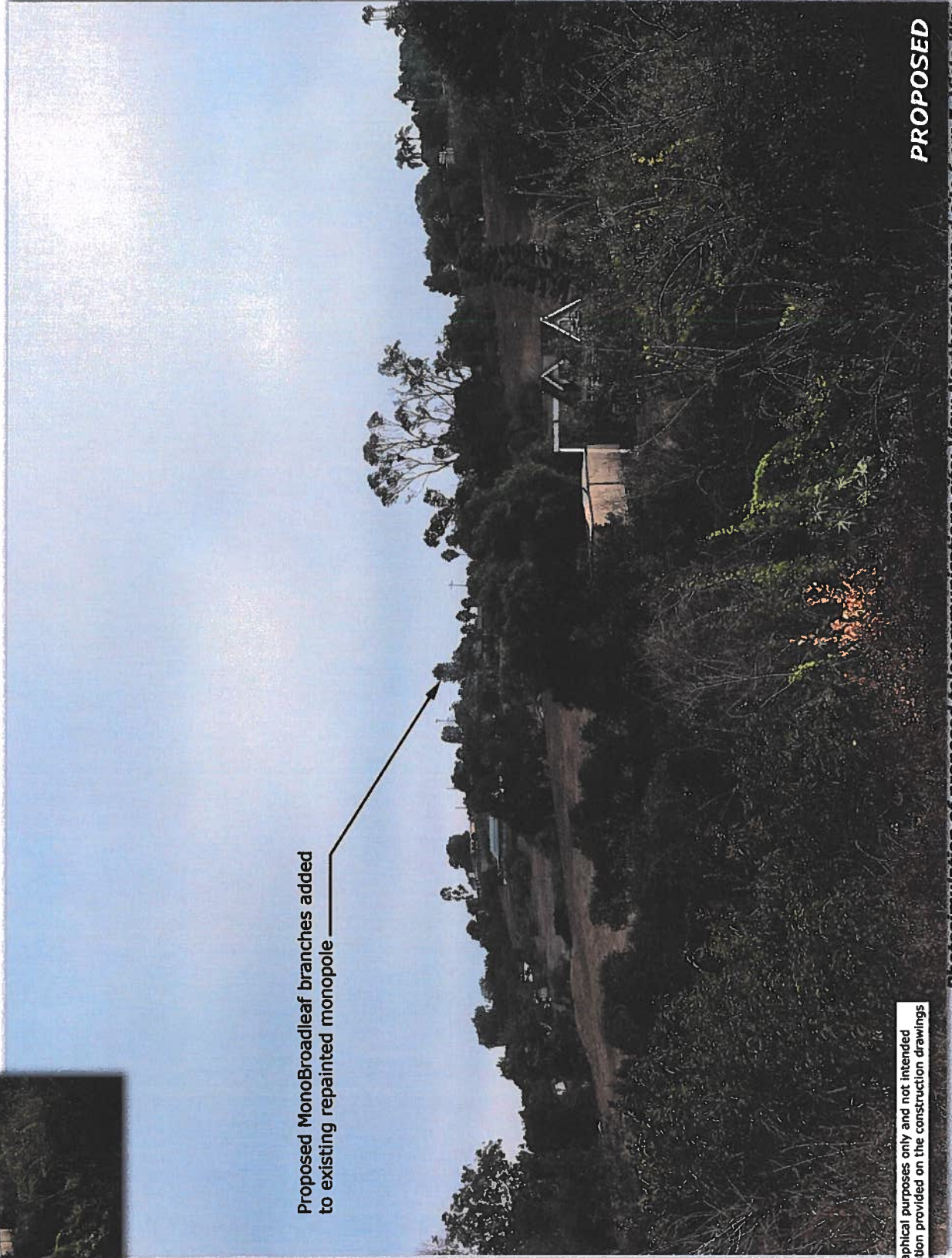
EXISTING



San Luis Rey #302253



Proposed MonoBroadleaf branches added
to existing repainted monopole



These simulations are intended for graphical purposes only and not intended to be part of or to replace the information provided on the construction drawings

PROPOSED

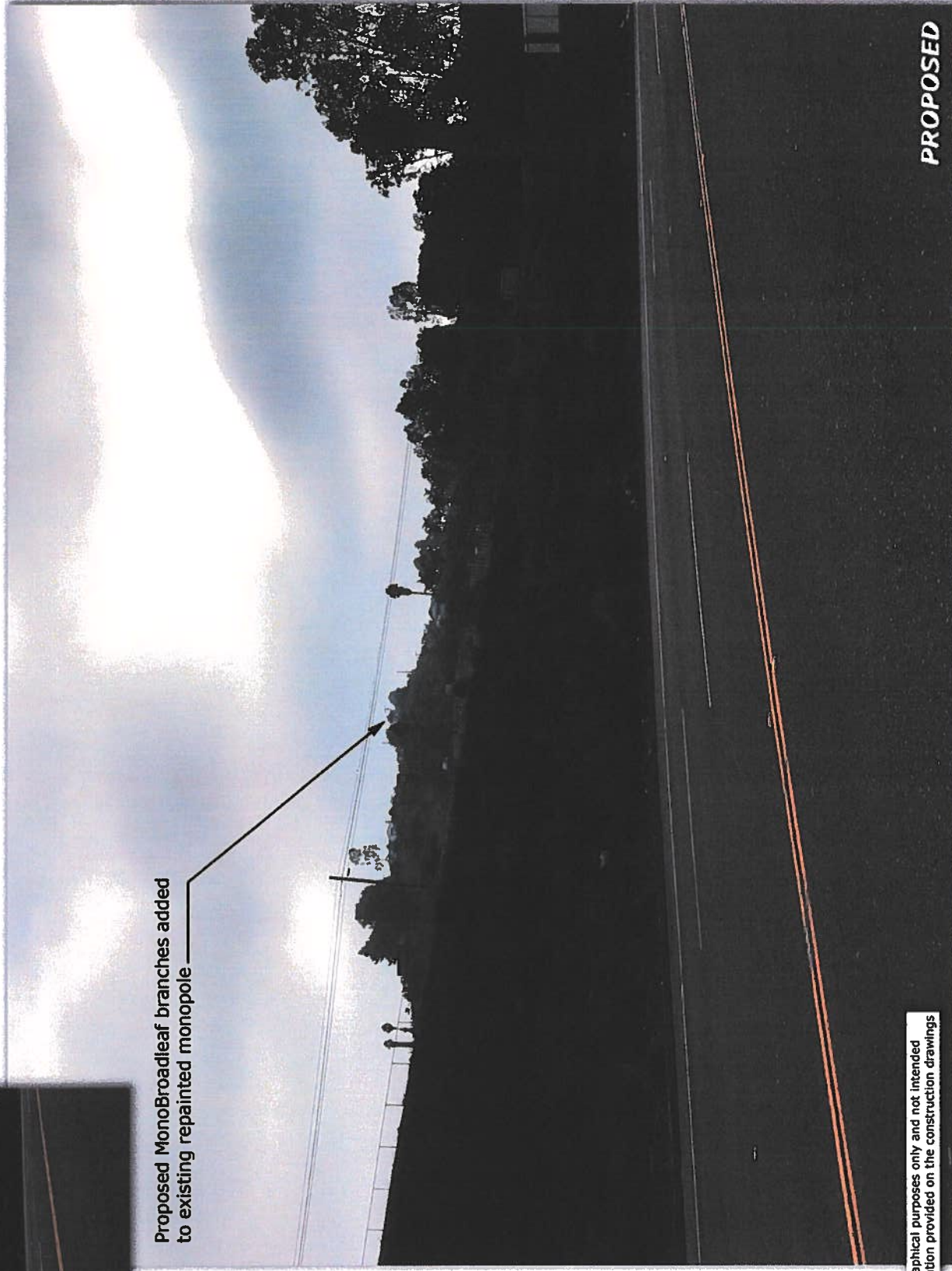
Photosimulation of proposed telecommunications site: View Northeast toward site from E. Vista Way

10/23/2018

EXISTING



Proposed MonoBroadleaf branches added
to existing repainted monopole



These simulations are intended for graphical purposes only and not intended to be part of or to replace the information provided on the construction drawings

PROPOSED

Photosimulation of proposed telecommunications site: View East toward site from E. Vista Way

San Luis Rey #302253



10/23/2018

EXISTING



San Luis Rey #302253



Proposed MonoBroadleaf branches added
to existing repainted monopole



These simulations are intended for graphical purposes only and not intended to be part of or to replace the information provided on the construction drawings

10/23/2018

PROPOSED

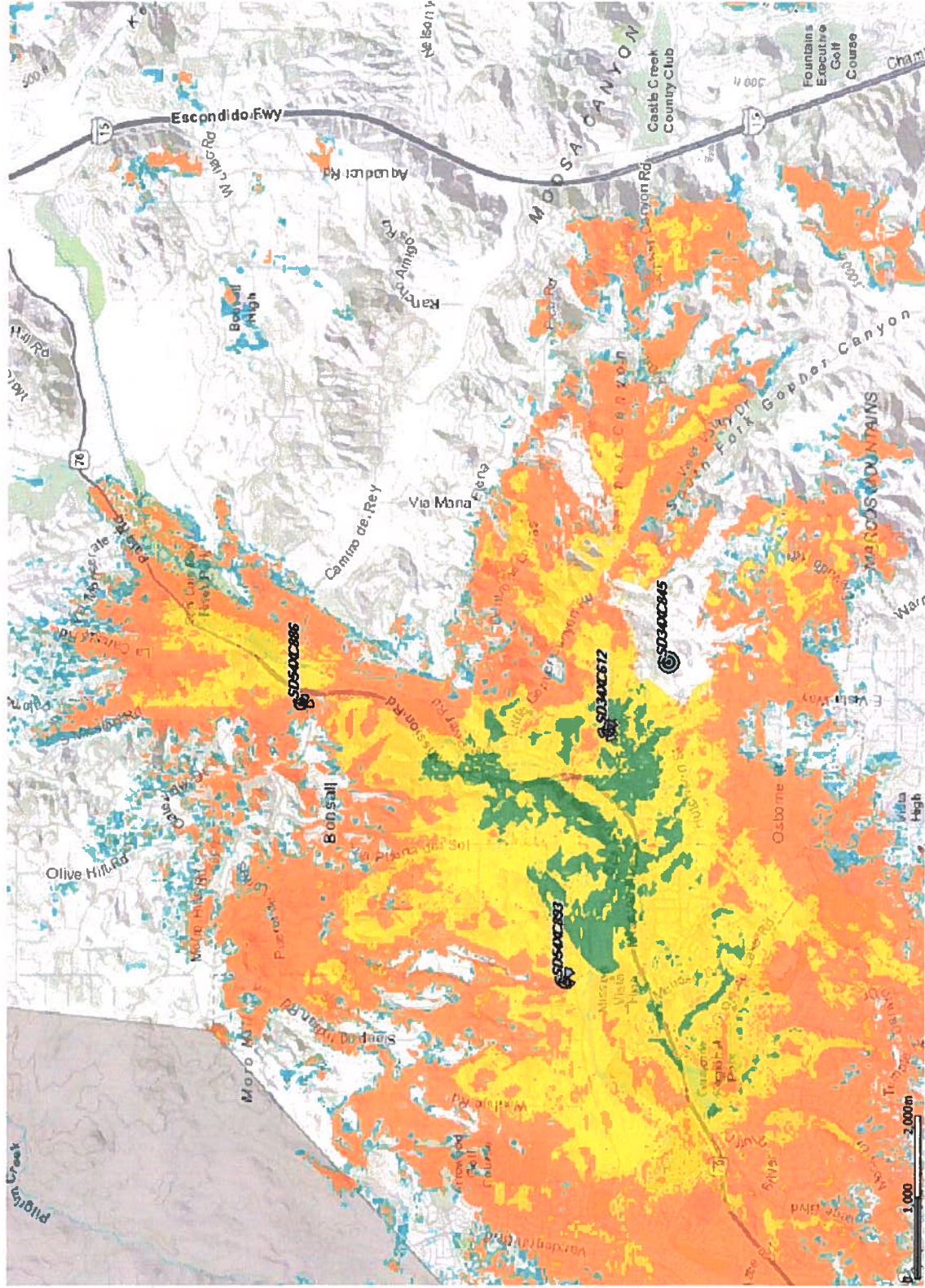
Photosimulation of proposed telecommunications site: View Southeast toward site from E. Vista Way



SD34XC612 Coverage Maps

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Coverage of SD34XC612

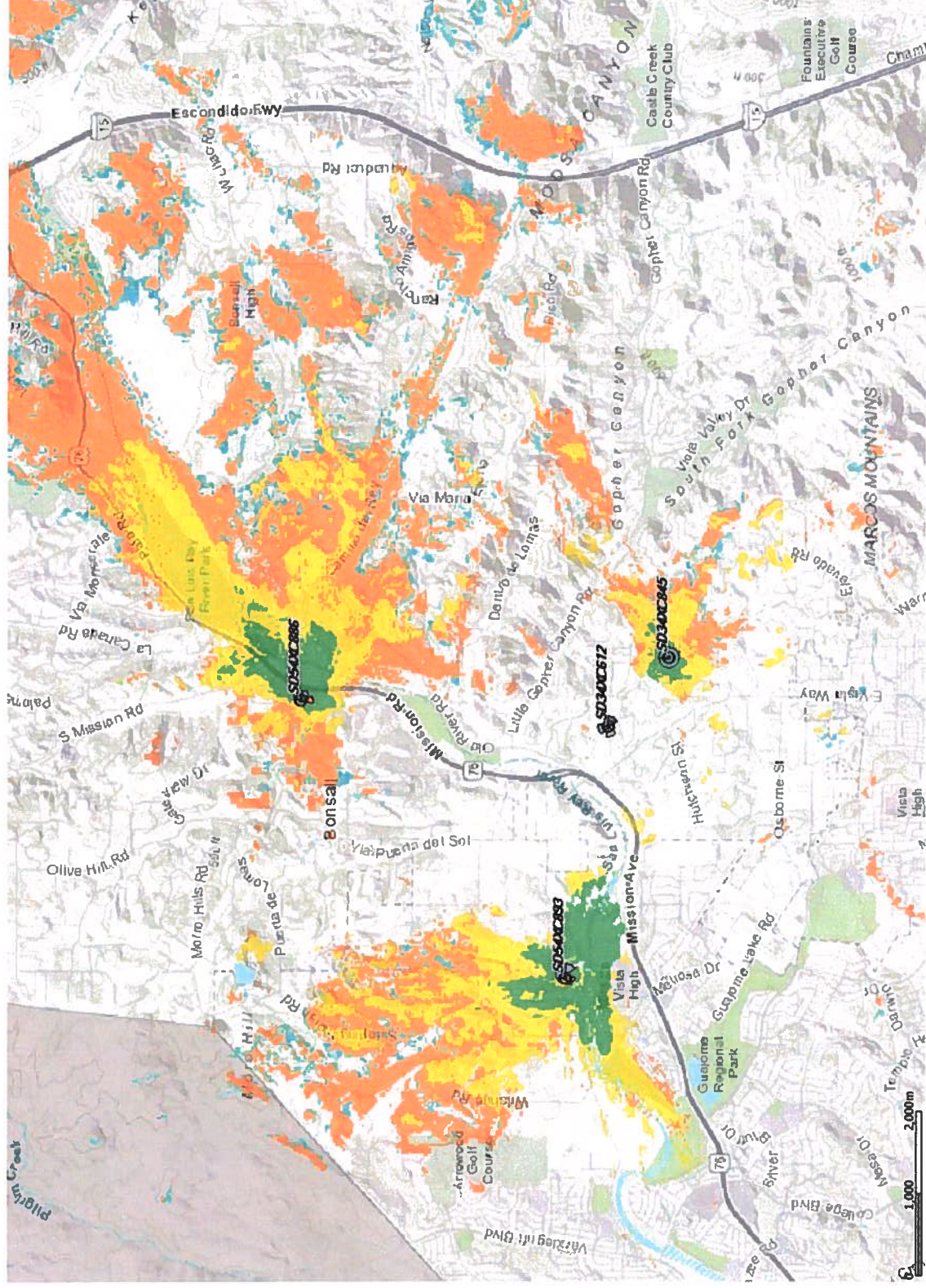


LTE1900: Coverage of SD34XC612

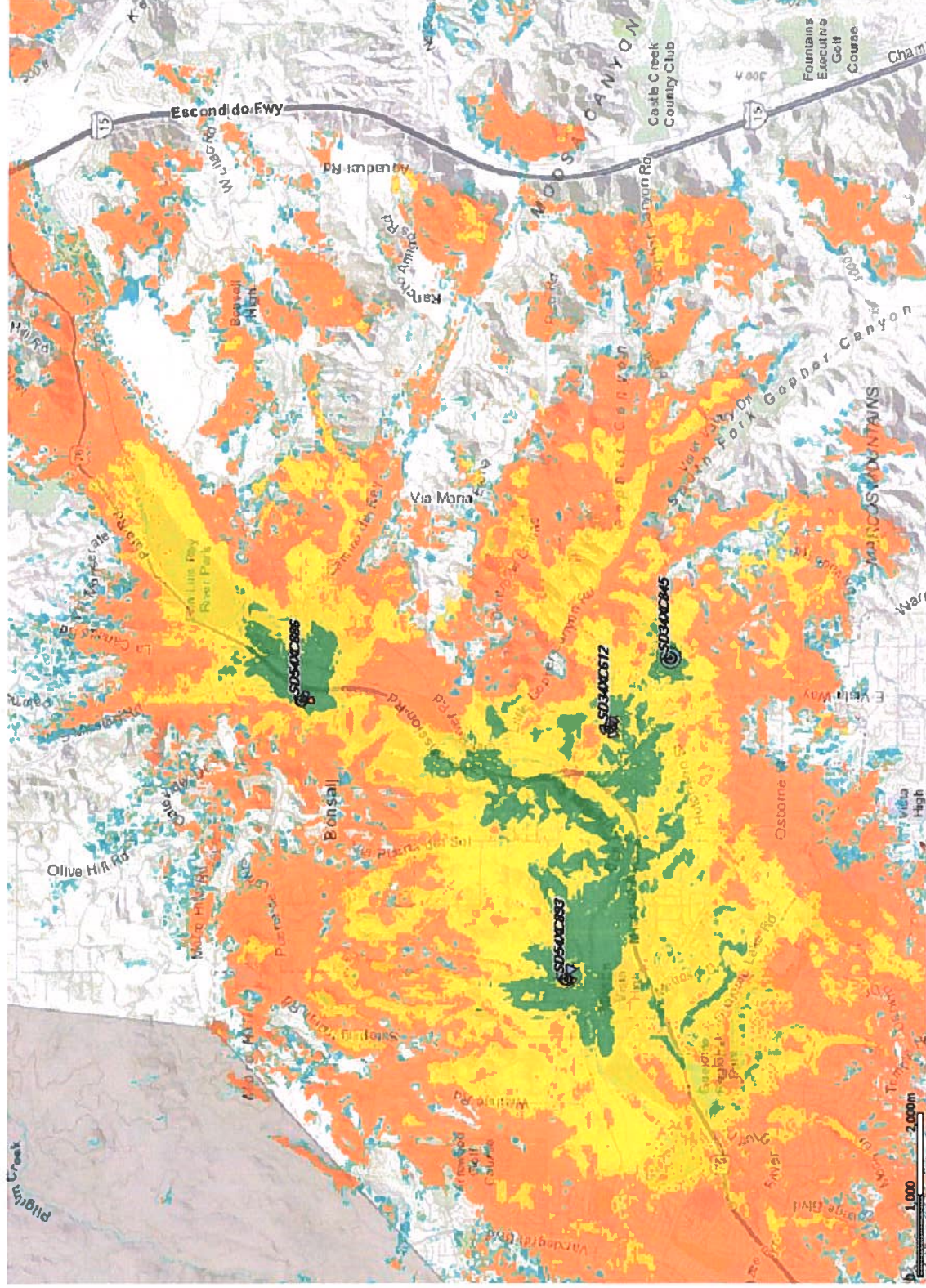
- Good
- Average
- Marginal
- Poor



Coverage without SD34XC612



Coverage with SD34XC612



LTE1900: Coverage with SD34XC612

- Good
- Average
- Marginal
- Poor



**AMERICAN TOWER LLC
ATC SAN LUIS REY #302253
3419 E. VISTA WAY, BONSALE CA 92084
STATEMENT OF NEED FOR THE FACILITY-ASA**

PROJECT SITE/COVERAGE OBJECTIVE

The proposed project is located at 3419 East Vista Way, south of State Route 76 in the Bonsall Community Plan Area. The underlying land use designation of the proposed site is A-70, limited agriculture, and is classified as a rural use in the County's Wireless Ordinance per Section 6983 R. The surrounding properties in the vicinity of the proposed site are designated A-70, rural residential. Currently the on-site use consists of a residence, agricultural buildings and nursery. Project site elevation at ground level is 467 feet above mean sea level (AMSL), and offers views of the coverage area, which include State Route 76 to the north, East Vista Way to the west, and the surrounding agricultural and residential areas. The project site and surrounding area designated A-70 are not preferred zones according to Section 6986 of the County Zoning Ordinance. The proposed site is camouflaged and is consistent with the community character, as defined in Section 6987 B.

The target coverage area of the current site is defined as east and west along State Route 76 and north and south along East Vista Way, including the intersection of E. Vista Way and SR, while offering a sufficient call handoff between adjacent sites. Not only does the site have existing vegetation to camouflage the monopole with new broadleaf branching, the surrounding roads in the area are visible to the signal generated by the wireless facility. The proposed site is designed to provide sufficient coverage overlap to existing sites to handoff the signal and provide high quality, consistent network operations to its wireless customers.

Relocating or shifting the location of the monopole was evaluated to determine if it could be located outside of the south and east setbacks. However, to the west is the highest spot on the property, which would make the camouflaged monopole more visible. By moving the monopole further north, the existing equipment shelter no longer acts as a visual buffer and it loses some screening by the existing vegetation to the north. The current location is nestled into the terrain surrounded by mature vegetation allowing the existing tree with proposed modifications to be camouflaged within its surroundings.

The cellular facility has been in existence since 1996 and is an intrinsic part of a larger cellular network operated by Sprint. Removing the site from on-air service would severely handicap the subscribers of Sprint service. The improvements proposed will enhance the existing service and camouflaging as a faux tree will bring the project into conformance with the County's Wireless Ordinance.